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Quality Engineering Test Report

SERIES:PD65 65W AC-DC DUAL OUTPUT OPEN FRAME SWITCHING POWER SUPPLY
SAMPLE: A.PD-65AV1:+5V 5.5A
V2:+12V / 2.8A

NO	TEST ITEM	TEST CONDITION / SPECIFICATION	RESULT	VERDICT
1	AC INPUT VOLTAGE RANGE	I/P:TESTING SPEC:90~264VAC O/P:FULL LOAD	A:62VAC~264VAC	P
2	LINE REGULATION	I/P:90~264VAC SPEC: O/P:FULL LOAD A : V1 :±1% V2 :±2%	A: V1: -0.5%~+0% V2: –0.85%~+0.85%	P
3	LOAD REGULATION	I/P:230VAC SPEC: O/P:MIN. TO FULL LOAD A : V1 : ±3% V2 : ±4%	A: V1: -0.61%~+0.5% V2: -0.05%~+1.1%	P
4	OUTPUT VOLTAGE TOLERANCE	I/P:230VAC SPEC: O/P:MIN. TO FULL LOAD A : V1 : ±4% V2 : ±7%	A: V1: -0.14%~+2.12% V2: -0.48%~+4.2%	P
5	RIPPLE&NOISE	I/P: 230VAC SPEC: O/P:FULL LOAD A: V1 :50mV V2 :120mV	A: V1: 12mV V2: 84mV	P
6	AC INPUT CURRENT	I/P:230VAC SPEC:0.9A O/P:FULL LOAD	A:0.72A	P
7	MAX. INRUSH CURREN	I/P:230VAC SPEC:40A O/P: FULL LOAD	A:29.1A	P
8	O/P VOLTAGE ADJ.RANGE	I/P:230VAC SPEC: (-5%~+10%) O/P:MIN. LOAD A : 4.75V~5.5V	A:4.27V~5.94V	P
9	SET UP TIME	I/P:230VAC SPEC:800mS O/P:FULL LOAD	A:553mS	P
10	HOLD UP TIME	I/P:230VAC SPEC:20mS O/P:FULL LOAD	A:90.9mS	P
11	EFFICIENCY	I/P:230VAC SPEC: A:78% O/P:FULL LOAD	A:79.38%	P
12	OVER CURRENT PROTECTION	I/P:230VAC SPEC: O/P: TESTING A: 73~105W	A: 89.5W	P
13	OVER VOLTAGE PROTECTION	I/P:230VAC SPEC: O/P:MIN. LOAD A : 5.75V~6.75V	A: 5.95V	P
14	GROUND LEAKAGE CURRENT	I/P:240VAC SPEC: O/P:FULL LOAD L-FG---<0.5mA N-FG---<0.5mA	L-FG:0.43mA N-FG:0.38mA	P
15	INSULATION RESISTANCE	SPEC: I/P-O/P 500VDC / 100M Ohms MIN. I/P-FG 500VDC / 100M Ohms MIN. I/P-FG 500VDC / 100M Ohms MIN.	I/P-O/P: >100M Ohms I/P-FG : >100M Ohms O/P-FG : >100M Ohms	P
16	DIELECTRIC / WITHSTAND VOLTAGE	SPEC: I/P-O/P: 3000VAC / 1 min (10mA CUT-OFF) I/P -FG: 1500VAC / 1 min (10mA CUT-OFF) 0/P-FG: 500VAC / 1 min (10mA CUT-OFF)	I/P-O/P :3.43mA I/P-FG :3.57mA O/P-FG :1.90mA	P
17	BURNIN TEST	I/P: 230VAC O/P:FULL LOAD TA:25°C BURN-IN DURATION : 4 hrs	NON BREAK	P

NEXT